

**EC DECLARATION OF CONFORMITY**

**MACHINERY DIRECTIVE 2006/42/EC**  
**LOW VOLTAGE DIRECTIVE 2006/95/EC**  
**ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2004/108/EC**  
**EU NOISE DIRECTIVE 2000/14/EC**

**DECLARATION OF CONFORMITY**

We hereby certify that OSAKI GTS800 Generator  
 complies with all the relevant provisions of the following directives:  
 2006/42/EC, 2006/95/EC, 2004/108/EC, 2000/14/EC  
 that it complies with the European standards:

EN ISO3744:1995, EN 12601:2001, EN 550112/A1:2005, EN55014-1/A2:2002, EN61000-6-1:2001.



Official Agent  
**KENNEDY TOOLS**  
 Wigston Works, Leicester, England.  
 ISO 9002 REGISTERED COMPANY



Signed: *Martin Cooke*

Date: 1st May 2010 Name: Martin Cooke Position: Director, The Kennedy Group Ltd.

**QUALITY GUARANTEE & WARRANTY**

OSAKI POWER TOOLS carry one years manufacturers warranty.

OSAKI POWER TOOLS are designed & produced  
 to the highest standards & specifications

OSAKI POWER TOOLS are fully guaranteed against  
 faulty materials & workmanship

Should they be found to be defective, they will either be repaired or replaced  
 free of charge (fair wear and tear and/or misuse excepted).

This does not affect your legal rights.

Please retain supplier invoice as proof of purchase.

**SERVICE & REPAIR**

A comprehensive repair and service  
 facility is available through your  
 local agent.

Osaki Power Tools continually strives to  
 improve its products, specifications may  
 change without prior notice.



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**800W - 2 STROKE PETROL GENERATOR****GTS800****240V AC/12V DC**

- Suitable for DIY, & hobby use.
- Runs small power tools, freezers lights etc
- 5.8 Hour running time from a 4.2Ltr fuel tank
- 800W peak power, 650W continuous
- 12V battery charging outlet with lead and clamps
- 13 Amp outlet socket
- Overload circuit breakers
- Anti-vibration feet
- Smooth running 2-stroke 2hp easy start engine
- Maintenance free brushless alternator



**ORDER CODE**  
**OSA-273-3000K**

**OPERATORS MANUAL**



## SAFETY INSTRUCTIONS

Osaki Power Tools are committed to the Production of Quality Power Tools that are designed for high performance and long service life. If safety and maintenance procedures are observed they will last for many years.



*Man, Earth and the Universe  
are forces that create an  
immovable centre of balance ...*



*the  
balance of power*

### SYMBOLS USED ON THE AIR COMPRESSOR



Read the  
Operator's Manual



Warning



Do not use  
Indoors



Hot  
Components



Risk of  
Fire



Risk of  
Shock Hazard



Earth/Grounding  
Point

- Always adhere to the processes and safety warnings, which are stated in the instruction manuals of tools/appliances which are used in conjunction with your generator.
- Never connect to any commercial power outlet.
- Never connect in parallel with any other Generator.

#### RISK OF POISONING

EXHAUST FUMES CONTAIN CARBON MONOXIDE (CO) GAS WHICH CAN KILL. YOU CANNOT SEE IT OR SMELL IT

- Always use outdoors in a well ventilated area away from doors, windows and vents.
- Always keep children, pets and others away from the area the Generator is operating in.

#### RISK OF ELECTROCUTION

- Always earth the Generator.
- Always keep dry. Do not use in rain, snow or near water.
- Always place the Generator on a non conductive surface.
- Never touch with wet hands.

#### RISK OF FIRE

- Always equip the area of operation with a suitable fire extinguisher.
- Always switch off the Generator and let it cool down before refuelling.
- Always be careful not to spill any fuel. Wipe up spilled fuel immediately.
- Always make sure the fuel cap is replaced securely.
- Never refuel while smoking or in the vicinity of a naked flame.
- Never place flammable materials near the Generator.
- Never operate in hazardous locations where there is a risk of explosion of petrol fumes, leaking gas or explosive dust.



## TROUBLESHOOTING



Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment.

FAULT	POSSIBLE CAUSE	SOLUTION
Engine won't start.	No Fuel.	Check the Fuel tank for fuel. Check the Fuel tap is on.
	No ignition.	Check that the engine switch is "ON". Check the spark plug for a spark. Clean or replace if necessary.
	Air filter blocked.	Clean or replace if necessary.
Engine still won't start.		Consult your local dealer



## OTHER OSAKI PRODUCTS





## MAINTENANCE

The Alternator is of the brushless type so there is very little maintenance other than that associated with the 2 stroke engine.

### PERIODIC MAINTENANCE

ITEM	REMARKS	Every 50 hrs or 1 month	Every 150 hrs or 3 months
Spark Plug	Remove carbon Adjust gap Replace if neccessary	●	
Air filter	Clean Replace if neccessary		●
Fuel filter	Clean Replace if neccessary		●
Engine	General decarbonisation		●



## APPLICATION RANGE

The range of uses is vast and the available power can be affected by the proximity to the generator (don't forget, a long extension lead from generator to appliance will reduce the available power).



AC APPARATUS	Model GTS800	Power factor
Normal lighting	650W	1
Flourescent lighting	480W	1
Power Tools	570W	1
DC APPARATUS		
Battery charging	12V 8.3A	Max. Battery Capacity 40Ah



## SAFETY INSTRUCTIONS CONTINUED

### GENERAL SAFETY

- Always wear non-skid safety footwear when working outdoors.
- Always stay alert and watch what you are doing.
- Always ensure the maintenance of electrical components is carried out by a suitably qualified person.
- Always ensure all users are physically able and competent to handle the size, weight and power of tools used with the Generator and have received appropriate training to perform the task.
- Always prevent body contact with grounded surfaces such as pipes, radiators and refrigeration enclosures.
- Always carry out a risk assessment when working at heights to ensure that the person carrying out the work is competent and that appropriate equipment is selected and used.
- Never leave inflammable objects near the generator.

### PERSONAL SAFETY PROTECTION

- Always wear approved footwear and headgear when working on a building site or when heavy weights and overhead working is involved.
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.
- Always use approved hearing protection. High sound levels can cause permanent hearing loss.
- Always avoid inhaling dust or handling debris from work processes which can be harmful to your health
- Always consult a doctor if numbness, tingling, pain or whitening of the skin occurs. Repetitive work motions, awkward positions and exposure to vibration can cause "Repetitive Strain Injuries".

- Never operate the generator or power tools near other people unless they are wearing appropriate safety equipment also.
- Never direct air at yourself, anyone else or at animals.

### SPECIFIC OPERATING HAZARDS

- Always use the handle to lift the Generator. Do not move it by any other means.
- Always place the generator on a firm and level surface.
- Always be careful when handling the generator as components such as the exhaust can become very hot and remain hot for some time after use.
- Never tamper with, or attempt to adjust the engine throttle/idling speed as this is pre-set.
- Never use the generator without the air filter in place.
- Never deface the rating label on the same side as the ON/OFF switch. Replace if illegible.
- Never make any alterations to the generator and only use it for the task for which it has been designed.
- Never leave power tools/appliances connected to the generator, when not in use.
- Never leave the generator running when unattended.
- Never cover the generator or restrict air flow around the machine whilst operating.
- Never operate in hazardous locations where there is a risk of explosion of petrol fumes, leaking gas or explosive dust.





## ELECTRICAL INFORMATION

### EXTENSION REELS

When a cable extension reel is used it should be fully unwound before being connected. Using a long extension lead however will lower the power available from the Generator.



## SPECIFICATIONS

<b>Model Number</b>	<b>GTS800</b>		
<b>Order Code</b>	<b>OSA-273-3000K</b>	<b>DC Output</b>	<b>12V - 8.3A</b>
<b>Engine (2 stroke) Easy-start recoil</b>	<b>2.0hp</b>	<b>Sound Power Level</b>	<b>87.3dB(A)</b>
<b>Displacement</b>	<b>63cc</b>	<b>Sound Pressure</b>	<b>66.4dB(A)</b>
<b>Fuel - Oil ratio</b>	<b>50-1</b>	<b>Protection</b>	<b>IP54</b>
<b>AC Output</b>	<b>230V - 50Hz</b>	<b>Overall Size (HxWxD)</b>	<b>365 x 360 x 330mm</b>
<b>Max. Output (peak power)</b>	<b>800W</b>	<b>Running time on full tank</b>	<b>5.8hrs</b>
<b>Continuous Power</b>	<b>650W</b>	<b>Net Weight</b>	<b>20.5kg</b>



## ASSEMBLY

**TOOLS NEEDED:** Screwdriver supplied.

Remove the Generator from the packaging and the accessories Fig.1.  
Place the fuel filter in the fuel tank Fig.2.  
Place the 2 stroke oil measuring cup in the fuel filter for safe keeping Fig.3.  
Place the cap on the fuel tank Fig.4.  
Screw the handle onto the top of the fuel tank, placing the gaskets between the handle and the tank Fig.4.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



## OPERATION

**PLEASE NOTE:** This generator is not designed for continuous use.

### FUEL MIXING

Take the plastic cup from inside the fuel filter to measure the amount of 2 stroke oil needed. Each mark on the side equals the amount needed to mix with a litre of Petrol (1 full cup to every 4 litres). Using a funnel, pour the fuel through the fuel filter into the tank.




Fig. 5

### PRE START-UP

DO NOT connect any electric apparatus to the generator prior to starting the generator.

Make sure the ON/OFF switch is in the ON position Fig.5.

### STARTING THE GENERATOR

Move the choke lever across to the left  position Fig.6.

Make sure the fuel tap is in the ON - vertical position Fig.7.

Pull the recoil starter slowly until it engages with the drive mechanism, then pull cord quickly to start the engine Fig.8.

After the generator has been running for a few seconds, return the choke lever back across to the right. The engine should now idle comfortably.

Once the generator has settled down, connect the 240V appliance/Ext lead to the 3 pin 240V outlet socket Fig.9 or the 12V battery charging lead to the generator Fig.10.

**DO NOT connect to both at the same time!**

### CIRCUIT BREAKERS

If either circuit breaker trips, the load on the generator is too great. Leave for a few minutes to cool, then re-set the circuit breaker by pressing in and make sure the load does not exceed the rated continuous output of 650W.

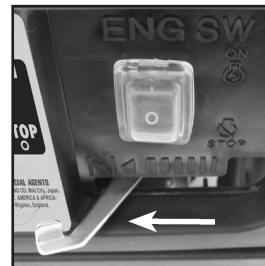


Fig. 6

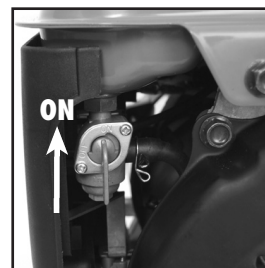


Fig. 7



Fig. 9

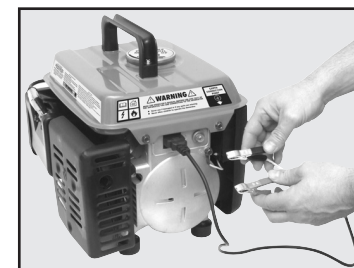


Fig. 10



Fig. 8



Fig. 11



Fig. 12